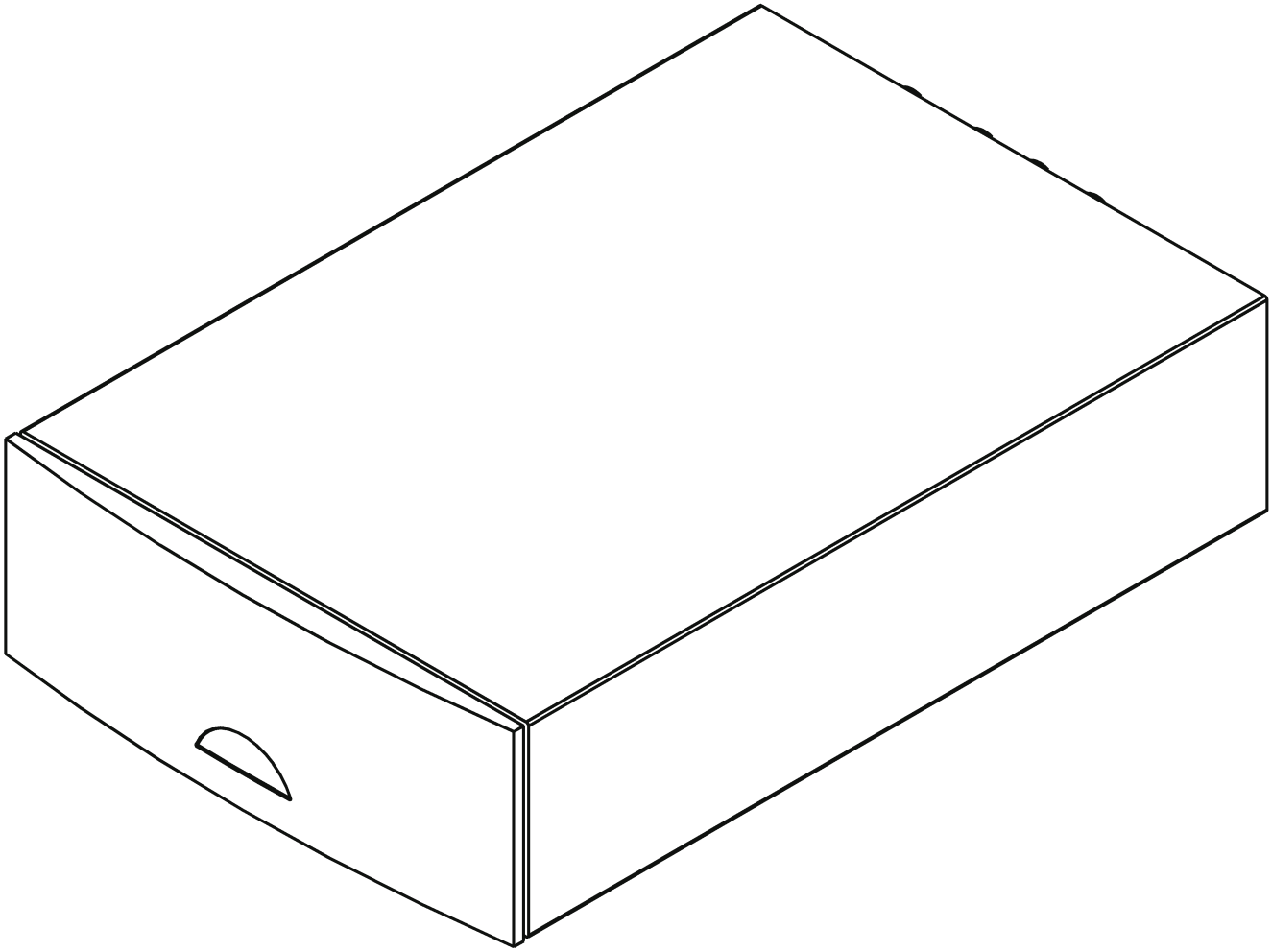
naim

world class sound...



OWNERS MANUAL

SNAXO 362BMR, 362 & 242

ENGLISH • DEUTSCH

Introduction

Naim Audio products are conceived with performance as the top priority. Careful installation will help ensure that their full potential is achieved. This manual covers the SNAXO active crossovers. It begins with some general installation notes. Product specific information begins in Section 3.

1 Connections

It is important for both safety and performance that any standard cables supplied with Naim Audio products are not modified.

1.1 Interconnect Cables

Interconnect plugs and sockets should be kept clean and free from corrosion. The easiest way to clean them is to switch off the equipment, pull the plugs out of their sockets, and push them back in again. Contact cleaners and "enhancers" should not be used as the film they deposit may degrade the sound.

2 General Installation

Naim equipment is designed to offer the finest performance possible avoiding compromise wherever practical. This can lead to circumstances that may be unfamiliar. The notes that follow contain advice specifically related to Naim equipment as well as more general warnings about the use of domestic audio products. Please read them carefully.

2.1 Siting The Equipment

In order to reduce the risk of hum audible from the loudspeakers, power supplies and power amplifiers should be located a reasonable distance away from other equipment. The maximum separation distance for connected equipment is that allowed by the standard interconnect lead.

2.2 Switching On

Source components and power supplies should be switched on before power amplifiers. Always switch amplifiers off and wait a minute before connecting or disconnecting any leads. Always use the power switch on the product rather than a mains outlet switch.

2.3 Running In

Naim equipment takes a considerable time to run in before it performs at its best. The duration varies, but under some conditions the sound may continue to improve for over a month. Better and more consistent performance will be achieved if the system is left switched on for long periods. It is worth remembering however that equipment left connected to the mains can be damaged by lightning.

2.4 Radio Interference

In some circumstances, depending on where you live and the earthing arrangements in your home, you may experience radio frequency interference. Controls on broadcasting in some territories allow very high levels of radio frequency radiation and both the choice and exact siting of equipment may be critical. Susceptibility to radio frequency interference is related to the wide internal bandwidth necessary for high sound quality. A radio frequency filter kit is available for some Naim equipment but sound quality will be progressively compromised as more elements of the kit are fitted.

2.5 Lightning Precautions

Your Naim hi-fi system can be damaged by lightning and should be turned off and disconnected from the mains when there is risk of lightning strike.

2.6 Problems?

Consumer protection varies from country to country. In most territories a retailer must be prepared to take back any equipment he has sold if it cannot be made to work satisfactorily. A problem may be due to a fault in the system or its installation so it is essential to make full use of your dealer's diagnostic skills. Please contact your local distributor, or Naim Audio directly, if any difficulties cannot be resolved.

Some Naim equipment is made in special versions for different territories and this makes it impracticable to arrange international guarantees. Please establish the local guarantee arrangements with your retailer. Contact Naim Audio directly for help and advice if necessary.

2.7 Service and Updates

It is essential that repairs and updates are only carried out by an authorised Naim retailer or at the factory by Naim itself. Many components are custom made, tested or matched and appropriate replacements are often unobtainable from other sources.

Direct contact to Naim for service or update information should be made initially through Customer Services:

Tel: **+44 (0)1722 426600**
Email: **info@naimaudio.com**

Please quote the product serial number (found on its rear panel) in all correspondence.

3 SNAXO Installation

The SNAXO active crossovers are designed to provide optimised active filter characteristics for all active-capable Naim loudspeakers. They should be mounted horizontally on an equipment stand intended for the purpose. It is important to ensure that the stand is level.

SNAXO active crossovers contain no internal power supply and must be connected to a dedicated Naim FlatCap, Hi-Cap or Supercap power supply.

The SNAXO 362BMR incorporates a suspension system to isolate its sensitive components from vibrational energy. The suspension system is protected during shipping by two transit screws. The transit screws must be removed before use. Once the transit screws are removed the SNAXO must not be inverted. Transit screw removal is best carried out once the SNAXO is installed in its final location and before connections are made.

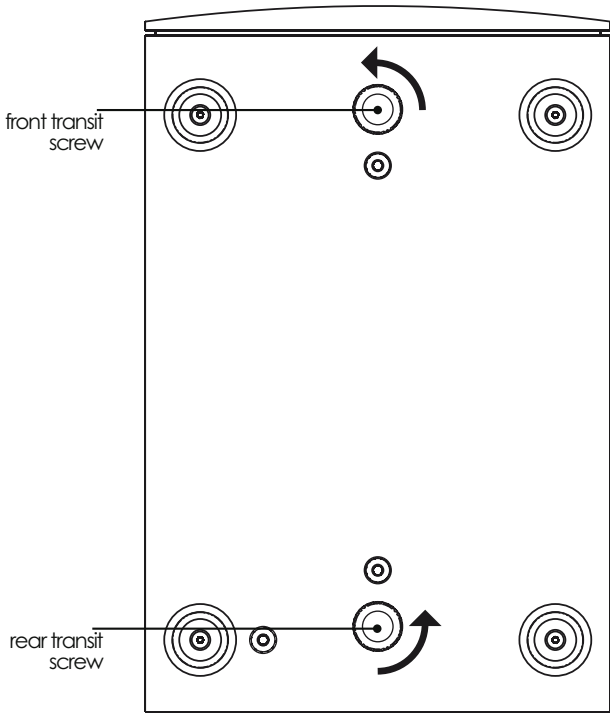
3.1 SNAXO 362BMR Transit Screws

Two transit screws must be removed from the underside of the SNAXO 362BMR before use and replaced if it is to be carried any distance, packed or shipped. Transit screw removal is illustrated in Diagram 3.2. SNAXO 362BMR transit screws must not be used with any other Naim product.

Damage may result if the SNAXO 362BMR is inverted either during or after transit screw removal.

To gain access to the transit screws, position one end of the SNAXO 362BMR over the edge of a table, remove (or replace) the screw that becomes accessible and then repeat with the other end.

3.2 Transit Screw Removal



3.3 Connecting SNAXO

3.3.1 Power Supply

SNAXO active crossovers must be connected to a dedicated Supercap, Hi-Cap or Flatcap power supply.

Connect the SNAXO to the dedicated power supply using, in the case of a Hi-Cap or Flatcap, a Naim SNAIC interconnect cable, and in the case of a Supercap, the appropriate Burndy cable. In either case take care to connect with the correct cable orientation.

Note: *If the SNAXO Burndy power supply socket is not used, the supplied Burndy link plug must be inserted. Similarly, if the SNAXO DIN power supply socket is not used the supplied dust cover should be fitted.*

3.3.2 Signal Input

To ensure the appropriate signal earthing arrangements, the input signal to a SNAXO active crossover is delivered via its power supply. The diagrams on the following pages illustrate signal input connections.

3.3.3 Signal Outputs

SNAXO output signals are carried on 4-PIN DIN sockets. The four or six output sockets should be connected to the power amplifier input sockets as appropriate.

Each left and right filter output is available on two separate DIN sockets to enable the use of both mono and stereo power amplifiers.

Take care to ensure that SNAXO outputs and amplifier inputs are correct with respect to loudspeaker drive units. Incorrect connection may result in loudspeaker damage.

The diagrams on the following pages illustrate signal output connections.

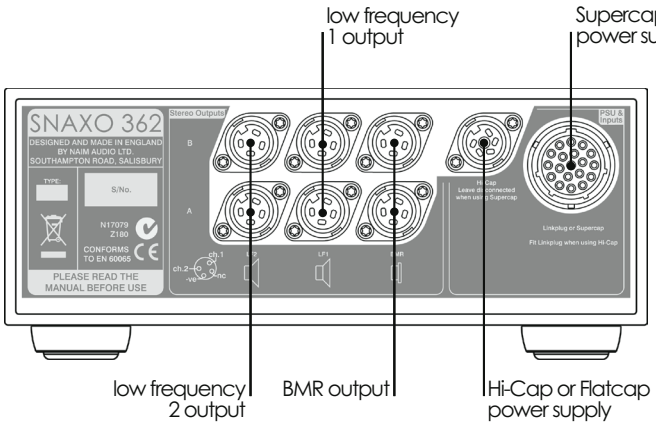
3.4 Output Level Adjustment

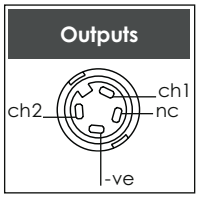
Filter output level adjustment is available via trim controls within each SNAXO. When shipped the trim controls are set nominally flat. Contact your retailer or local distributor for information and advice on level adjustment.

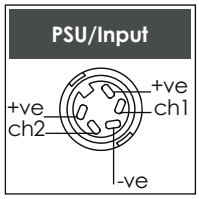
SNAXO Connection Sockets

4 SNAXO Connection Sockets

4.1 SNAXO 362BMR Rear (for Ovator S-600 and S-400 only)



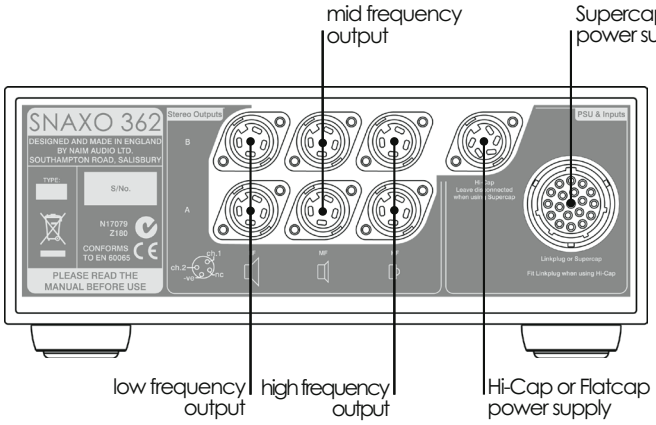


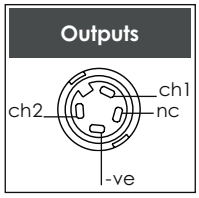


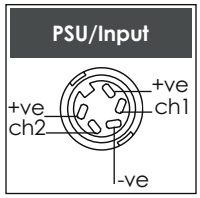
4.1.1 Loudspeaker Connections

SNAXO Output	Ovator S-600/S-400 Drive-unit
LF1	Upper bass drive-unit
LF2	Lower bass drive-unit
BMR	Balanced Mode Radiator

4.2 SNAXO 362 Rear



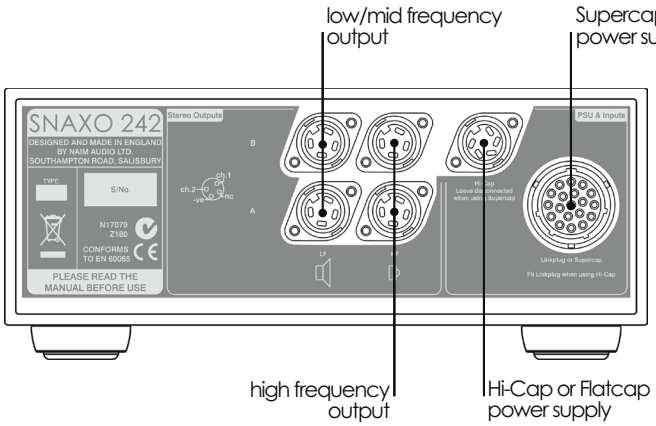


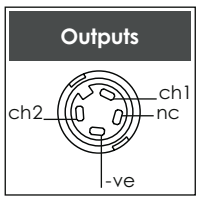


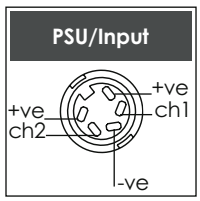
4.2.1 Loudspeaker Connections

SNAXO Output	Loudspeaker Drive-unit
LF	Bass drive-unit
MF	Mid-range drive-unit
HF	High-frequency drive-unit

4.3 SNAXO 242 Rear







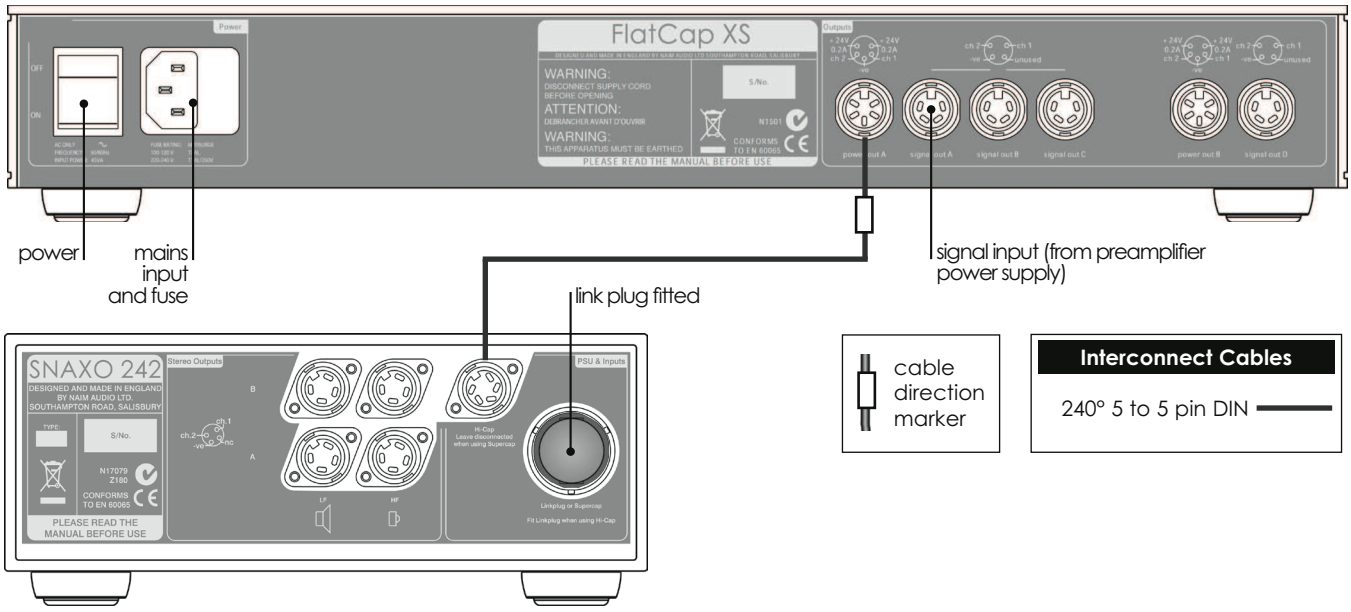
4.3.1 Loudspeaker Connections

SNAXO Output	Loudspeaker Drive-unit
LF	Bass/Mid-range drive-unit
HF	High-frequency drive-unit

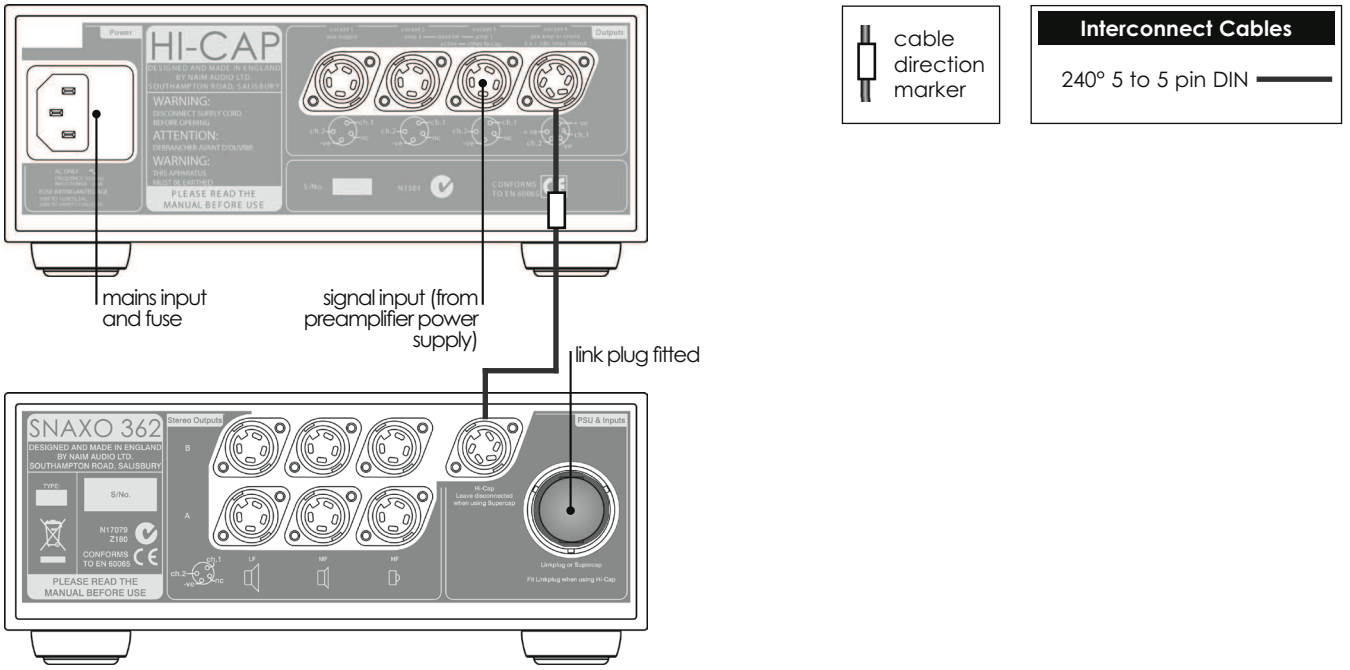
SNAXO Power Supply Connections

5 SNAXO Power Supply Connections

5.1 SNAXO 242 connected to Flatcap XS

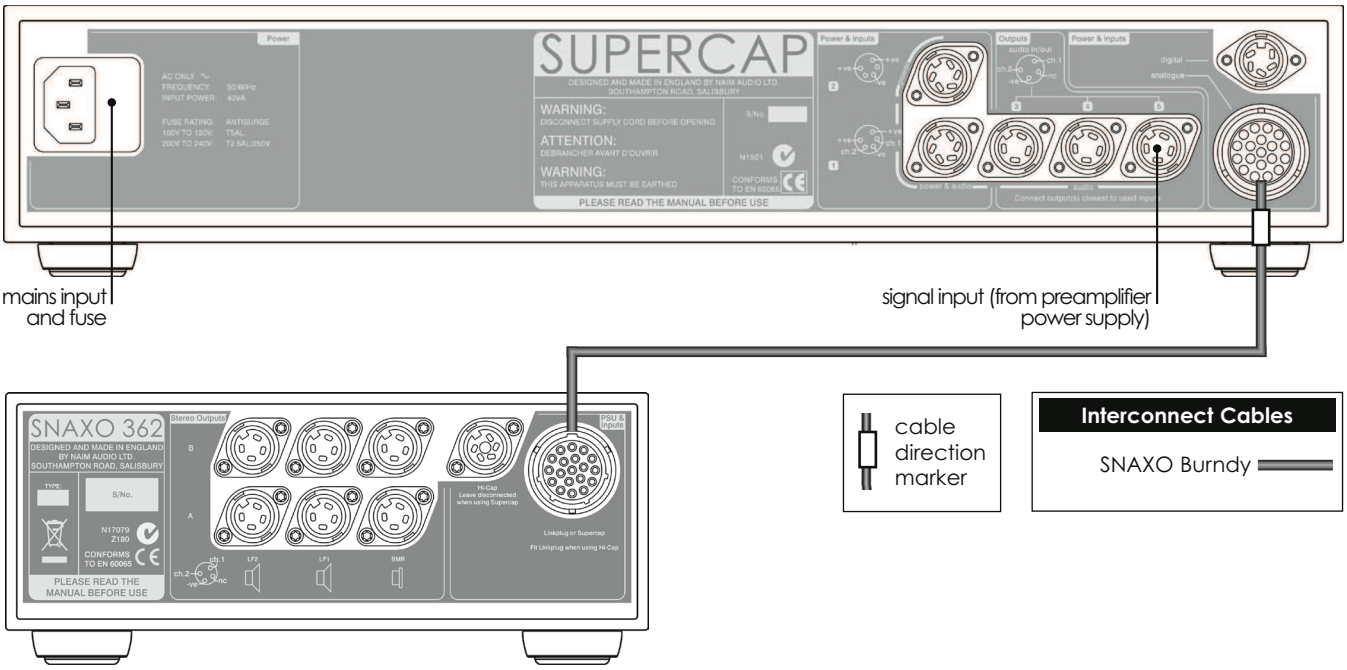


5.2 SNAXO 362 connected to Hi-Cap



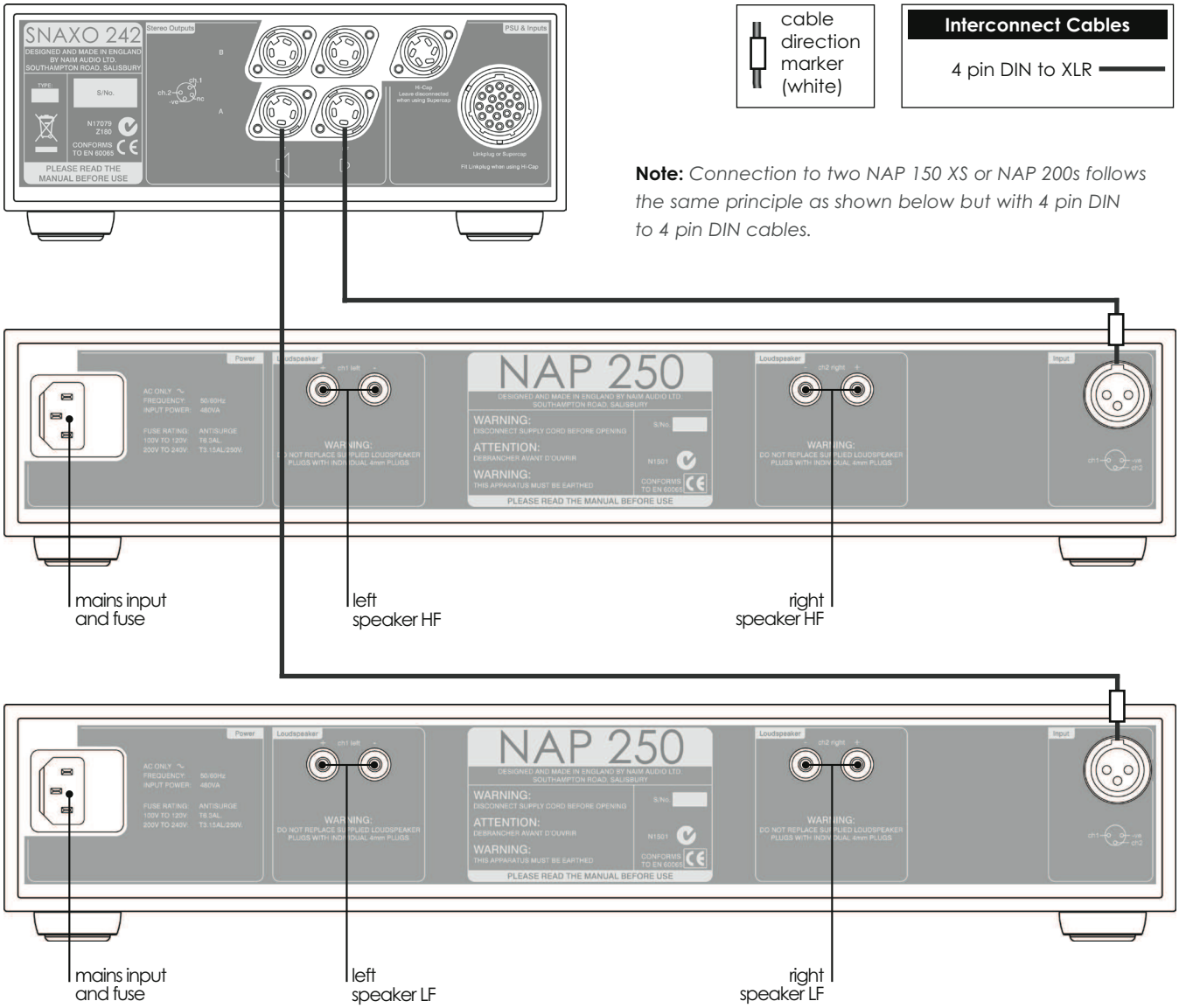
SNAXO Power Supply Connections

5.3 SNAXO 362BMR connected to Supercap


SUPERCAP
DESIGNED AND MADE IN ENGLAND BY NAIM AUDIO LTD.
SOUTHAMPTON ROAD, SALISBURY
WARNING:
DISCONNECT SUPPLY CORD BEFORE OPENING
ATTENTION:
DEBRANCHER AVANT D'OUVRIR
WARNING:
THIS APPARATUS MUST BE EARTHED
PLEASE READ THE MANUAL BEFORE USE
mains input and fuse
signal input (from preamplifier power supply)
SNAXO 362
DESIGNED AND MADE IN ENGLAND BY NAIM AUDIO LTD. SOUTHAMPTON ROAD, SALISBURY
PLEASE READ THE MANUAL BEFORE USE
cable direction marker
Interconnect Cables
SNAXO Burndy

6 SNAXO Amplifier Connections

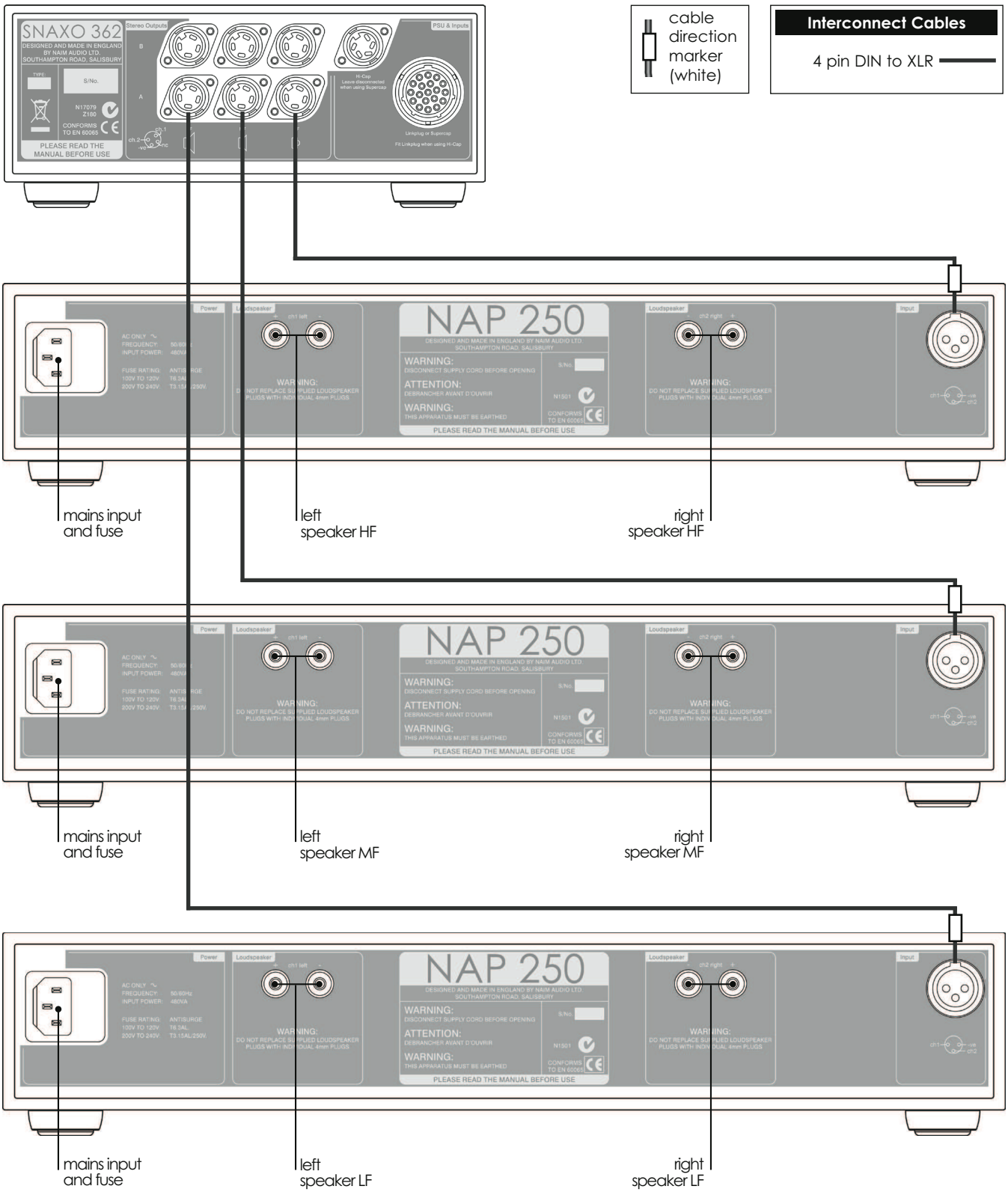
6.1 SNAXO 242 connected to 2 x NAP250



Note: *Connection to two NAP 150 XS or NAP 200s follows the same principle as shown below but with 4 pin DIN to 4 pin DIN cables.*

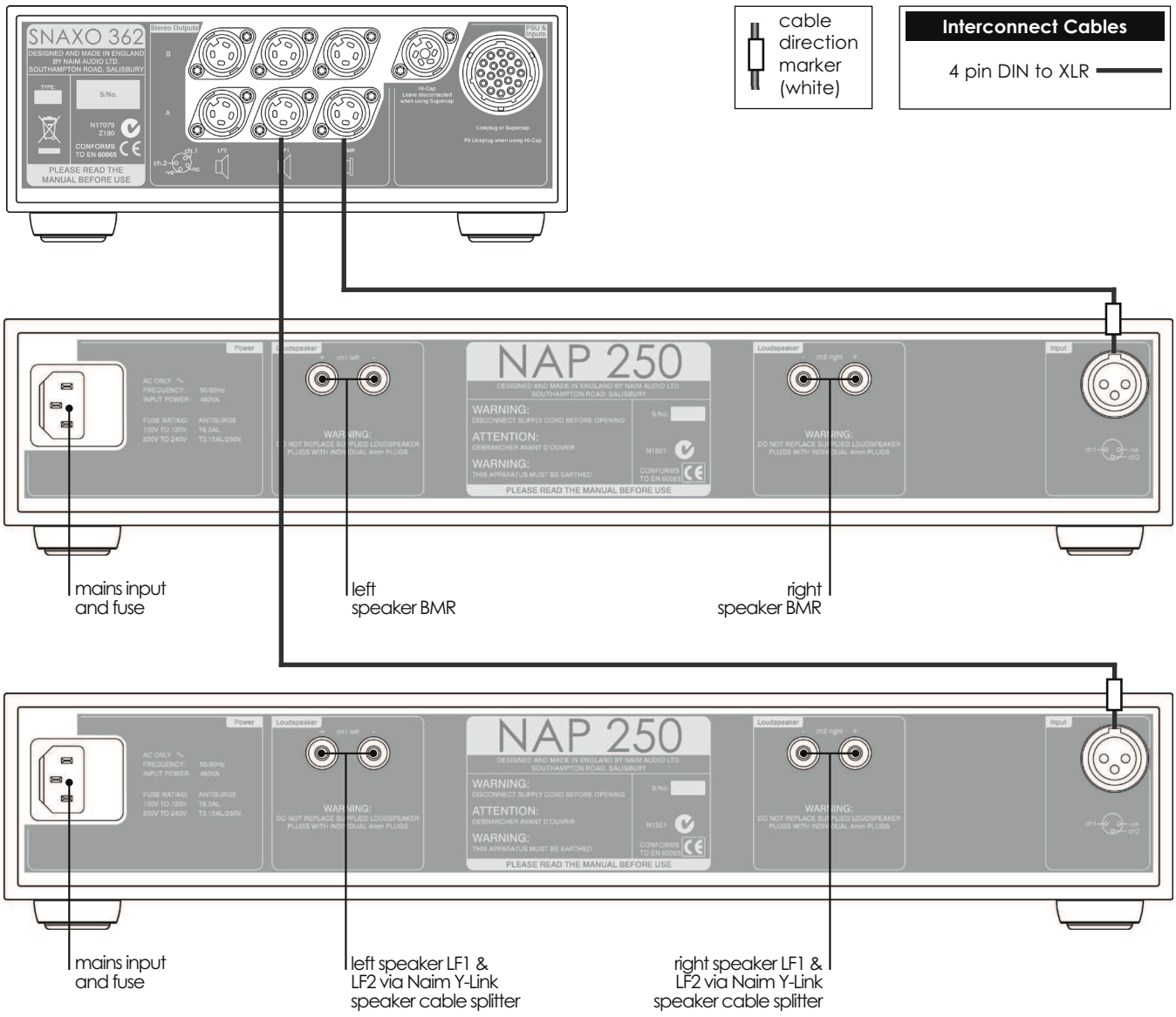
SNAXO Amplifier Connections

6.2 SNAXO 362 connected to 3 x NAP250



SNAXO Amplifier Connections

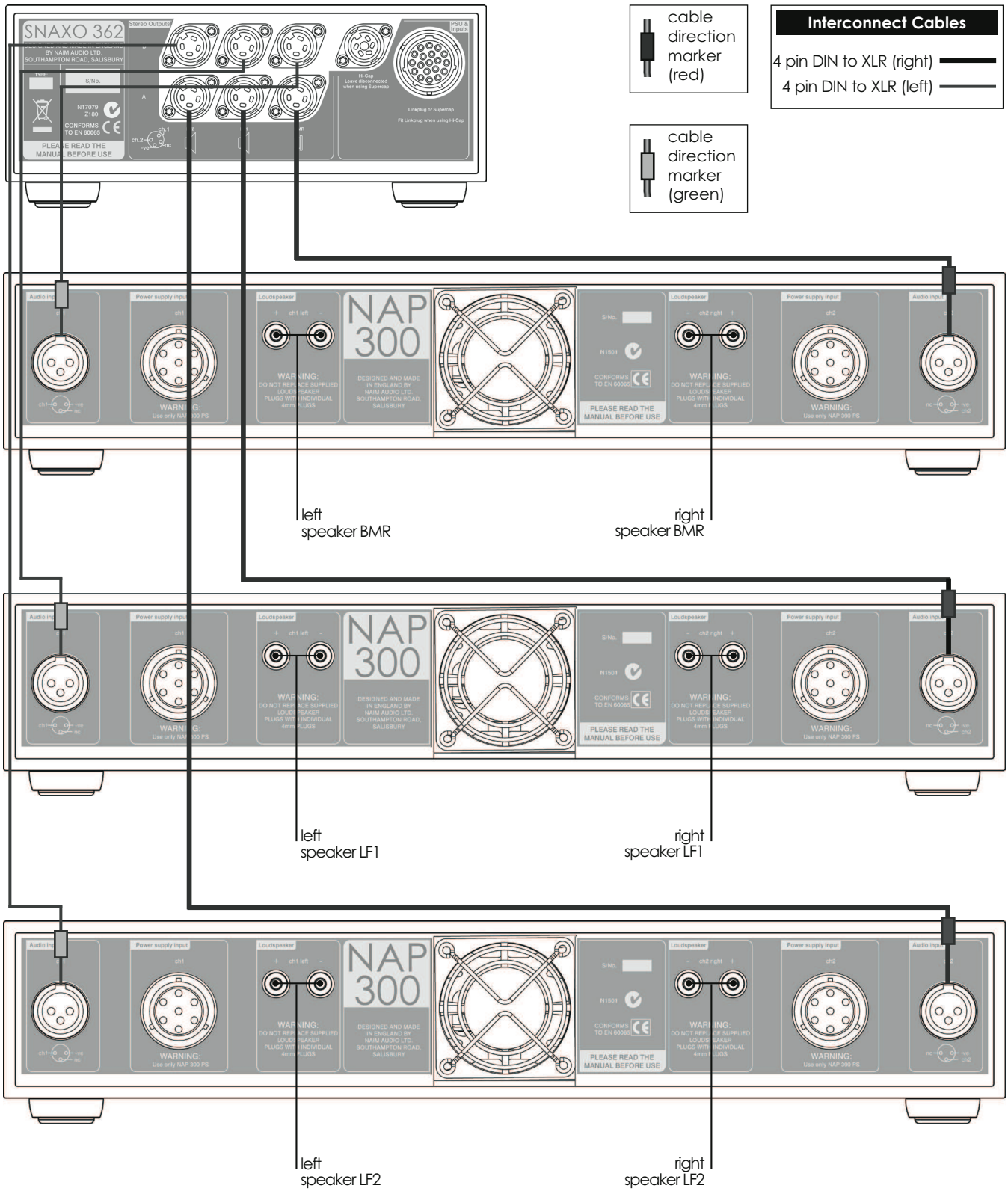
6.3 SNAXO 362BMR connected to 2 x NAP250


SNAXO 362
Stereo Outputs
PSU & Inputs
cable direction marker (white)
Interconnect Cables
4 pin DIN to XLR
NAP 250
mains input and fuse
left speaker BMR
right speaker BMR
mains input and fuse
left speaker LF1 & LF2 via Naim Y-Link speaker cable splitter
right speaker LF1 & LF2 via Naim Y-Link speaker cable splitter

Note: *The Naim Y-Link speaker cable splitter enables the twin low frequency drivers of a Naim Ovator S-400 or Ovator S-600 speaker to be driven from one amplifier channel. Contact your local retailer or distributor for more information.*

SNAXO Amplifier Connections

6.4 SNAXO 362BMR connected to 3 x NAP300



SNAXO Specifications

7 SNAXO Specifications

	SNAXO362BMR	SNAXO362	SNAXO242
Input Impedance	20kΩ	13kΩ	20kΩ
Nominal Input Level	775mV	775mV	775mV
Level Adjustment	+0db, -5dB	+0db, -5dB	+0db, -5dB
Filter Frequencies	400Hz, 3rd Order	300Hz, 3rd Order 3kHz, 3rd Order	3kHz, 3rd Order
Outputs	6 x 4 pin DIN	6 x 4 pin DIN	4 x 4 pin DIN
Nominal Output Level	775mV	775mV	775mV
Min Load Impedance	10kΩ	10kΩ	10kΩ
Power Supply Voltage	24V	24V	24V
Power Supply Options	FlatCap Hi-Cap SuperCap	FlatCap Hi-Cap SuperCap	FlatCap Hi-Cap SuperCap
Weight	7.25kg	3.20kg	3.20kg
Dimensions (H x W x D)	87 x 207 x 314mm	87 x 207 x 314mm	87 x 207 x 314mm